

Newman, Alan R.

From: Marie Piper [cascade@pugetsound.net]
Sent: Wednesday, May 22, 2002 8:40 AM
To: Newman, Alan R.
Subject: Re: Isopleths

Alan,

Here are the three plots in jpg format.

Thanks!

Marie

----- Original Message -----

From: Newman, Alan R.
To: 'Marie Piper'
Sent: Tuesday, May 21, 2002 2:03 PM
Subject: RE: Isopleths

My error with our ability to print out this file type. Our most current version of surfer was apparently both older than yours and on a machine that has been surplused.

Clint believes that your version can output the files in another format such as gif, jpeg, or similar. Alternately, you can print them out and US Postal Service mail them down to me.

-----Original Message-----

From: Marie Piper [mailto:cascade@pugetsound.net]
Sent: Tuesday, May 21, 2002 9:53 AM
To: Newman, Alan R.
Subject: Isopleths

Alan,

Attached are three isopleth drawings using Surfer 7.0 for the revised modeling using 3 grain sulfur natural gas for the two month period from May 15th through July 15th.

Maximum concentrations have changed from my previous submittal due to the following reasons:

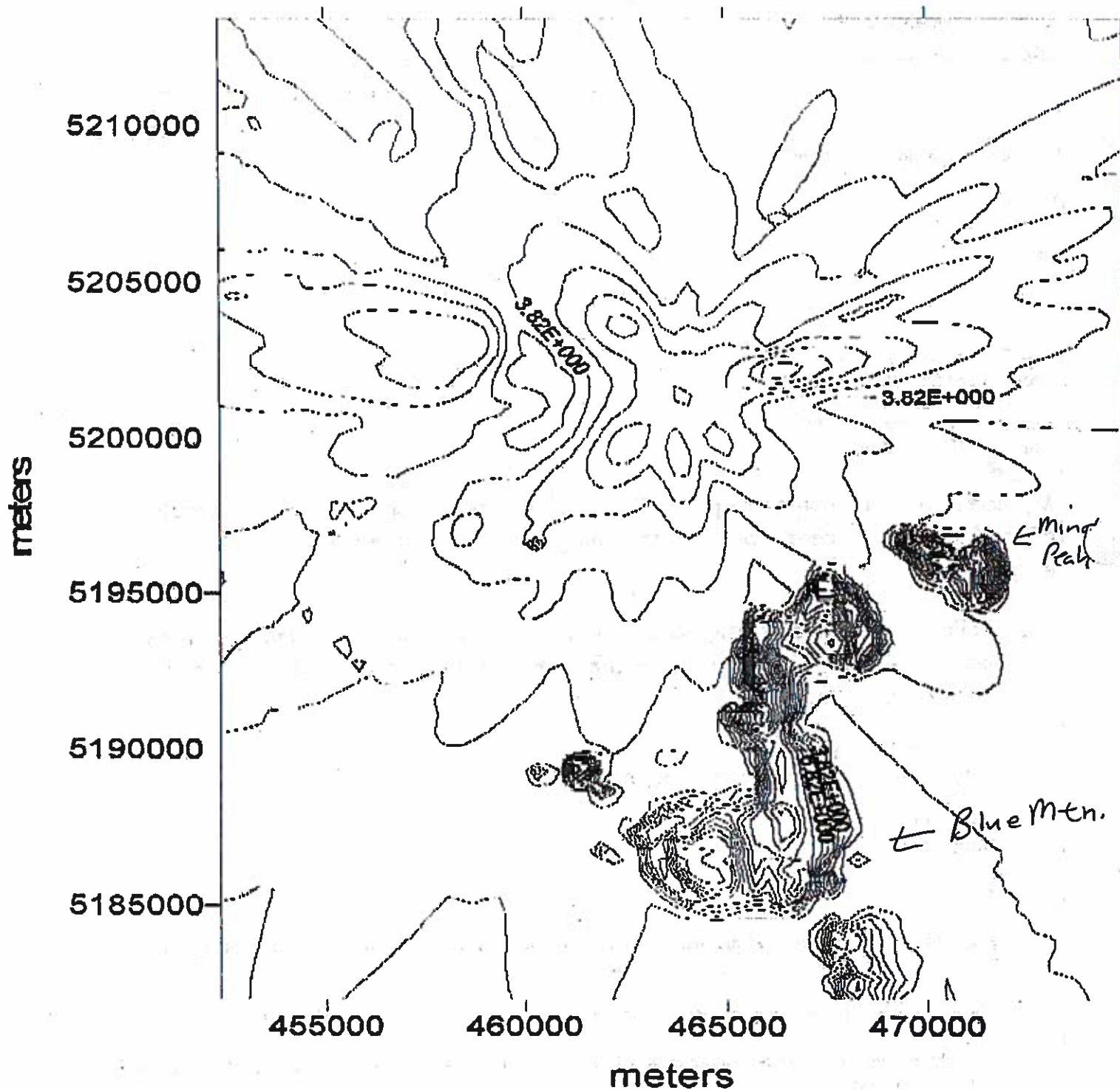
1. The 1-hour and the 3-hour concentrations decreased because I used the two month period rather than the full year, as before.
2. The 24-hour concentration increased as I discovered an error in the input file - the new auxiliary boiler emission rate "didn't take" as previously thought.

You'll also note that the outer grid modeling has increased receptors to the south to verify that the maximum concentration has been found. (The higher combustion turbine emissions put the maximum short-term concentration closer to the southern border of the initial receptor grid.)

7/2/02

● Satsop CT Project ●

Phase I and II Outer Grid

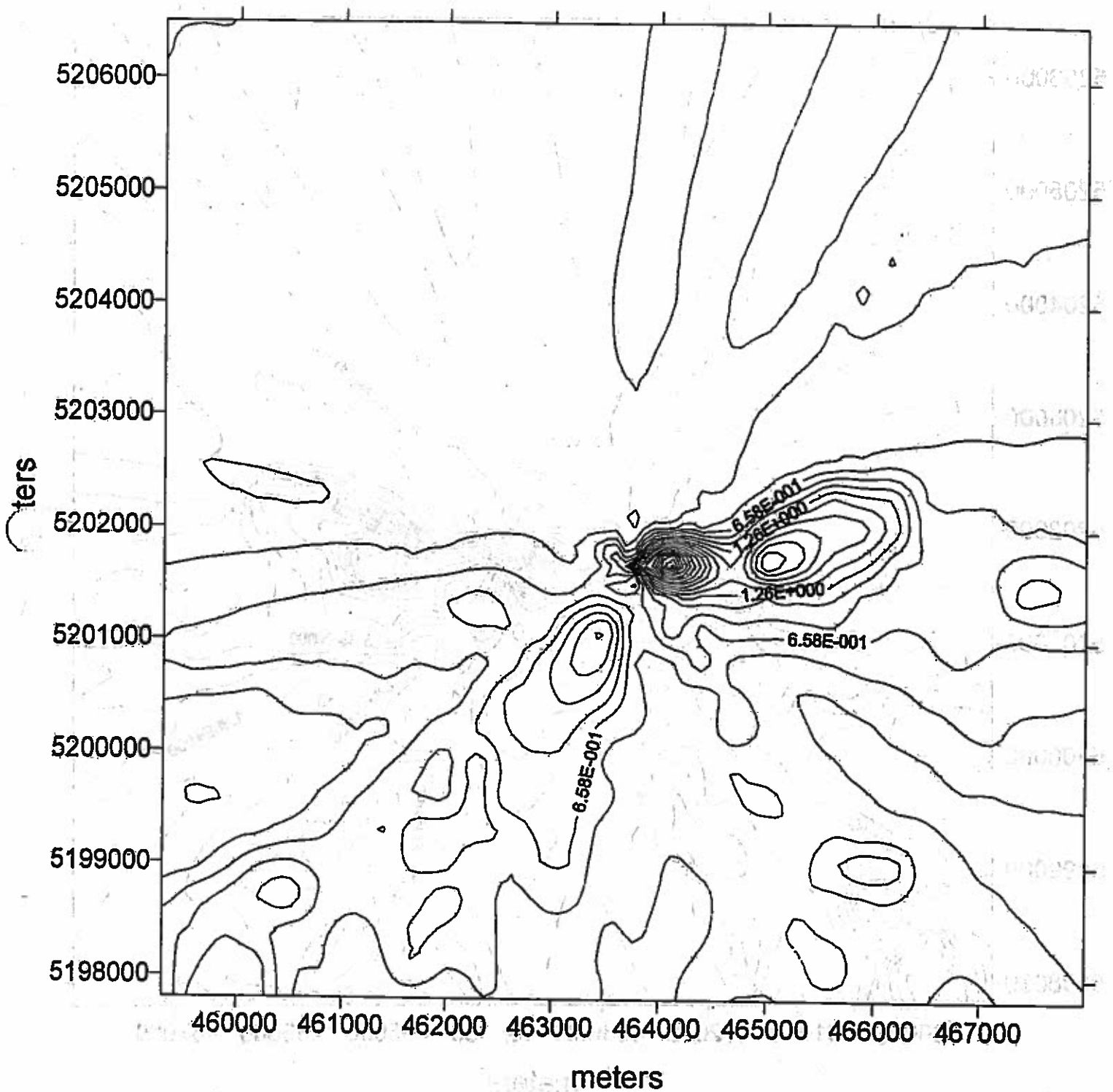


1-Hour SO₂ Based on 3 gr S/100scf

Maximum Concentration is 24.35 ug/m³ at (465766.41, 5192091.00, 283)

Satsop CT Project, Elma, WA PSD Permit Application 2001

Phase I and Phase II Inner Receptor Grid

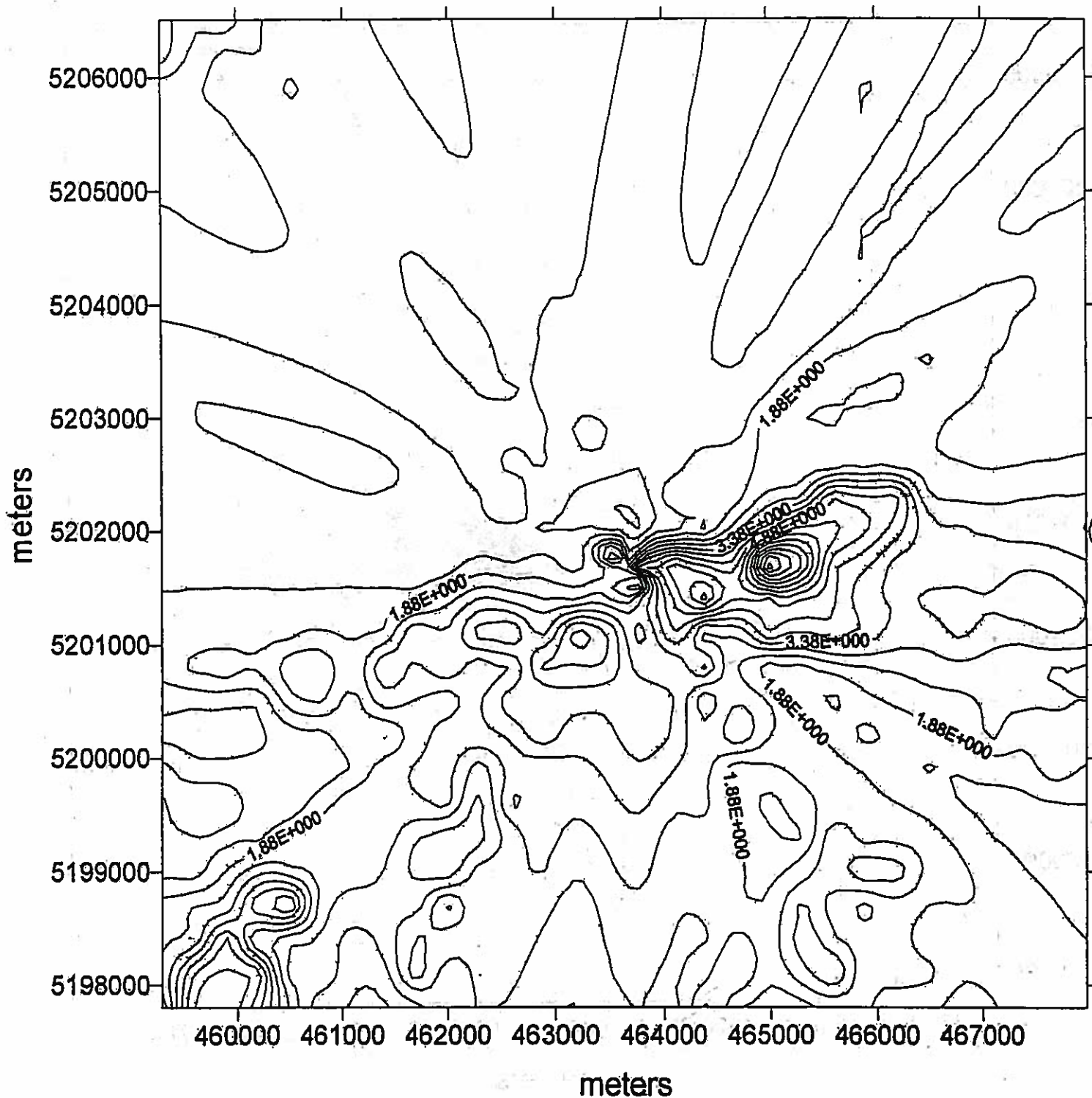


24-Hour SO₂ Based on 3 gr S/100scf

Maximum Concentration is 4.21 ug/m³ at (464088, 5201703, 92)

Satsop CT Project, Elma, WA PSD Permit Application 2001

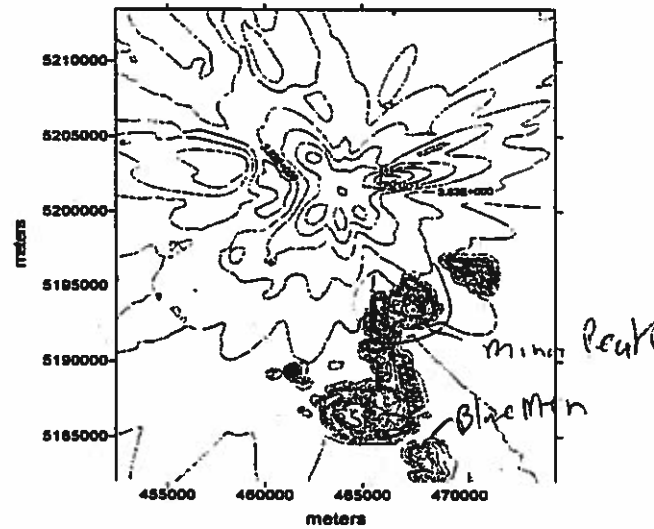
Phase I and Phase II Inner Receptor Grid



3-Hour SO₂ Based on 3 gr S/100scf

Maximum Concentration is 9.61 ug/m³ at (464988, 5201703, 122)

**Satsop CT Project
Phase I and II Outer Grid**



1-Hour SO2 Based on 3 gr S/100scf

Maximum Concentration is 24.35 ug/m3 at (465700 41, 518200 1.00, 250)